

REVISION					
LETTER	DFTSMAN	DATE	DESCRIPTION	APPROVED	DATE
A	DNN	12/14/95	INCORPORATED E.O.'S A-1 THRU A-3.	D. MARWILL 265-96-12 P. SCHWARTZ 96.014 96.015 96.016	2/27/96 3/21/96 3/21/96 3/21/96
B	DNN	7/25/96	ADDED ENGINEERING FABRICS INC. AS AN ADDITIONAL SUPPLIER TO DWG SPECIFICATION REQUIREMENTS.	D. MARWILL 265-96-29 265-98-43	7/31/96 8/7/98

- 17 OBTAIN CONTOURS FROM PRIMARY SHELL P/N 41228-202-080 001/-002.
- 16 LOCATION OF IDENTIFICATION STENCIL.
- 15 LOCATION OF FLANGE P/N 50686-1 (REF.).
OR LOCATION OF EFI FLANGE P/N 320-4-50873-101. (REF.).
- 14 LOCATION OF FLANGE P/N 50681-1 (REF.).
OR LOCATION OF EFI FLANGE P/N 2F1-4-44474-101. (REF.).

13 THE WEIGHT OF PRODUCTION TANKS SHALL BE WITHIN 5 PERCENT OF THE AVERAGE WEIGHT OF THE FIRST 10 PRODUCTION CELLS.

12 ERA AVIATION AND VENDOR PART NUMBERS SHALL INCLUDE A "DASH NO." SUCH THAT ODD NUMBERS ARE LEFT CELLS AND EVEN NUMBERS ARE RIGHT CELLS (i.e., -001 IS A LEFT CELL AND -002 IS A RIGHT CELL).

11 ALL CELLS SHALL BE IDENTIFIED PER MIL-STD-130. ADDITIONAL MARKINGS WILL BE ADDED PER MIL-T-27422B PARAGRAPH 3.10 & 3.11

10 THE CELLS SHALL BE THOROUGHLY CLEANED OF RUBBER PARTICLES, DIRT, SAND, METAL CHIPS OR OTHER FOREIGN MATERIAL BEFORE BEING SHIPPED.

9 THE EXTERNAL SURFACES OF THE CELL SHALL BE PROTECTED AGAINST THE

8 FUEL CELLS SHALL HAVE A 10 YEAR MINIMUM LIFE FROM DATE OF MANUFACTURE.

7 SCREW THREADS SHALL BE COATED WITH AN ANTI-SEIZE COMPOUND PER SPECIFICATION TT-A-580A OR JAN-A-669

6 THE FUEL CELL ASSEMBLY SHALL MEET THE DESIGN REQUIREMENTS OF MIL-T-27422B FOR TYPE I PROTECTION LEVEL A.

6 FUEL CELL MAXIMUM AMBIENT TEMPERATURE IS 40° F TO 113° F

4 THE FUEL CELL SHALL MEET THE DESIGN REQUIREMENTS OF FAA TSO-C80, SUBPART B ONLY, EXCEPT AS NOTED: PARAGRAPH 16.0 "PUNCTURE RESISTANCE" SHALL BE TESTED WITH A MINIMUM FORCE OF 370 POUNDS INSTEAD OF 15 POUNDS (REFERENCE FAR 29.963(b))

3 THE FUEL CELL SHALL BE OF A SELF SEALING FLEXIBLE CELL
PER AMFUEL 1662 CONSTRUCTION OR ENGINEERING FABRICS, INC.
ARM-075 CONSTRUCTION

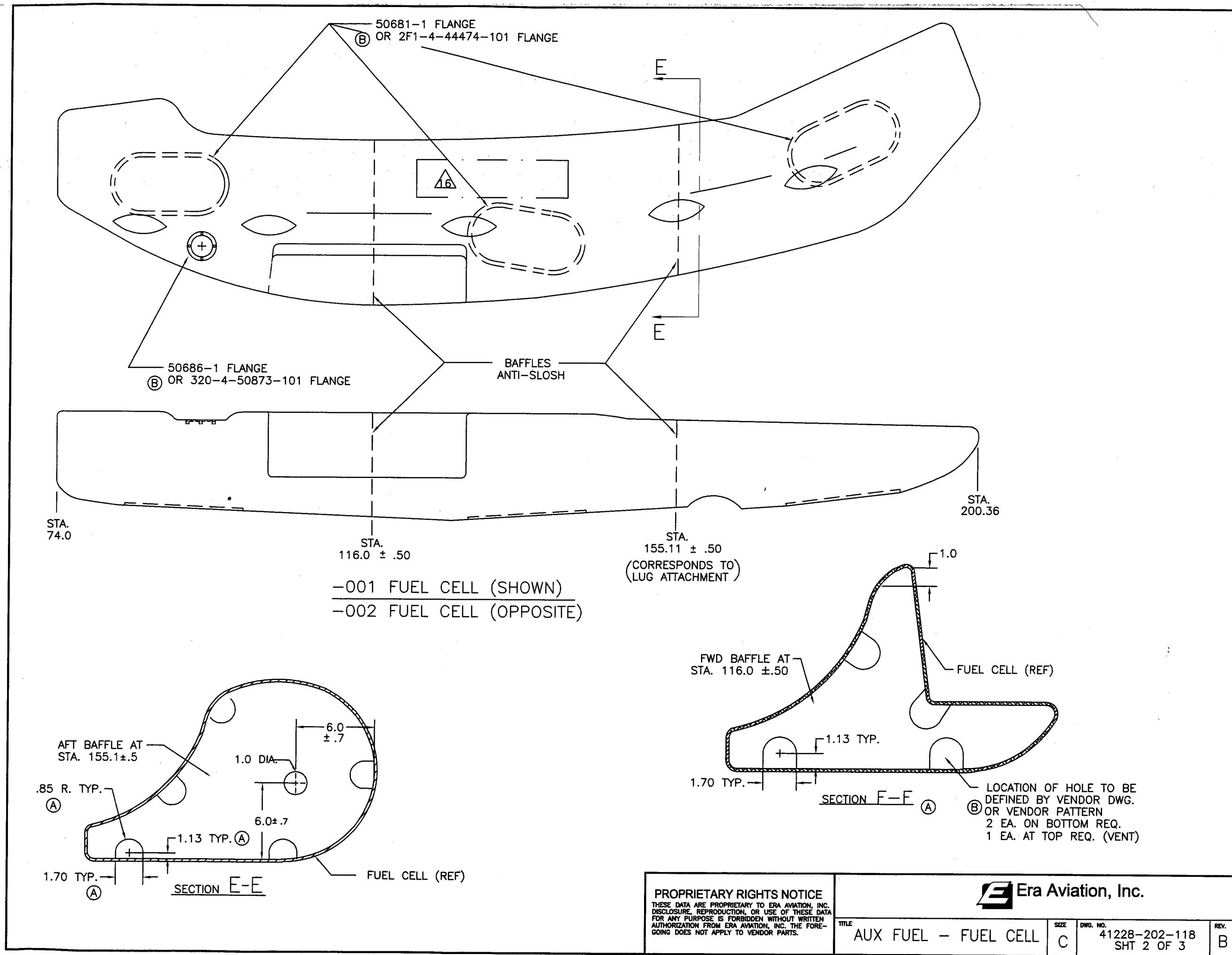
2 THIS FUEL CELL IS INTENDED FOR USE ON A BELL MODEL 412/212/20 HELICOPTER USING FUELS PER MIL-C-5572, MIL-T-5624, COMMERCIAL GRADES PER JET A, JET A-1, AND JET B. THE CELL SHALL BE UN-AFFECTED BY MIL-I-27686 ICING INHIBITOR WHEN PROPERLY MIXED WITH FUEL IN QUANTITIES OF UP TO 0.15% BY VOLUME.

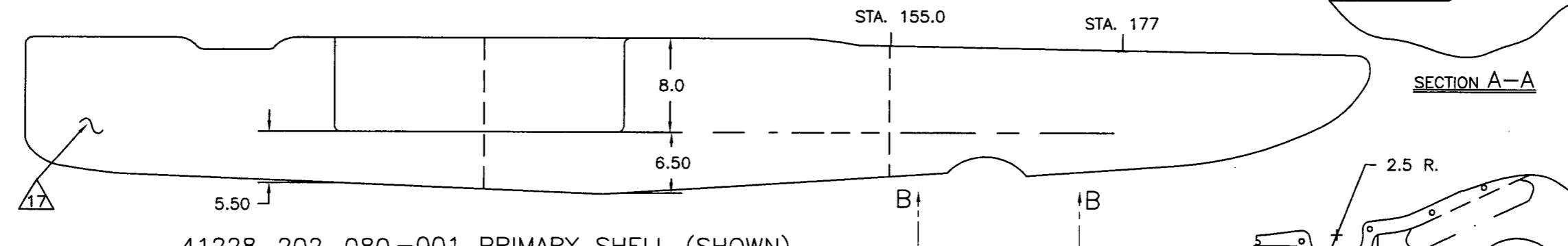
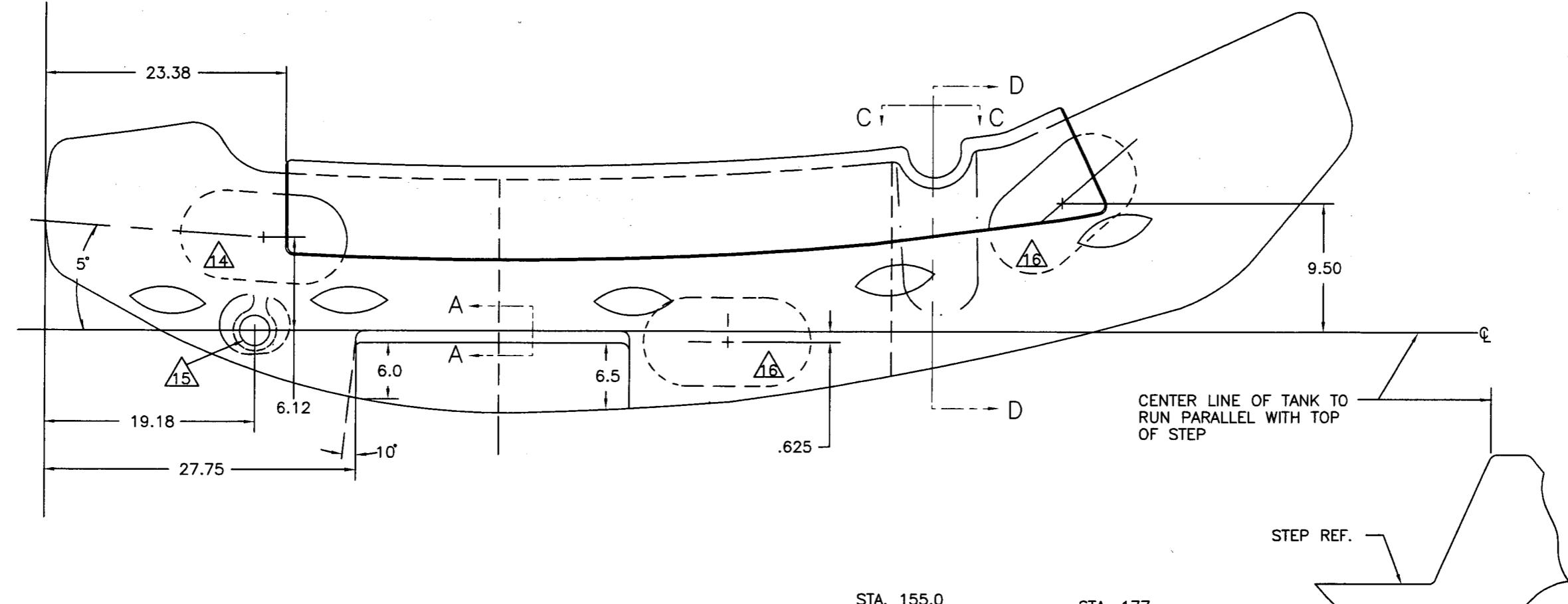
1 THIS DRAWING AND MASTER TOOL PART No. 41202-202-095 COMPLETELY
2 DEFINE ERA AVIATION PART No. 41228-202-118 FUEL CELL ASSEMBLY

NOTES

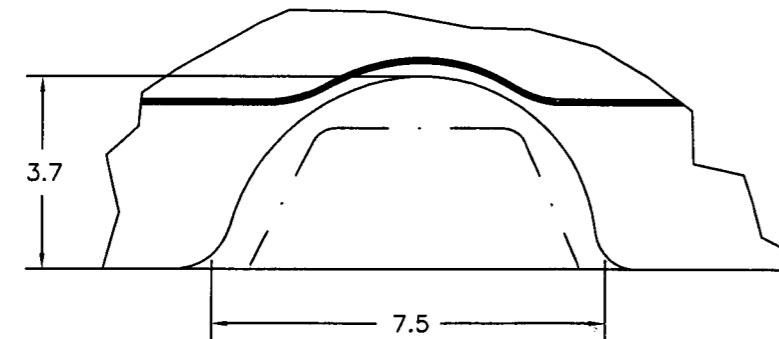
APPROVED VENDOR		
ERA PART NUMBER	VENDOR PART NUMBER	VENDOR & ADDRESS
41228-202-118-001	62525-3 (A)	AMFUEL MAGNOLIA ARKANSAS
41228-202-118-002	62525-4 (A)	AMFUEL MAGNOLIA ARKANSAS
41228-202-118-001	320-4-50868-101 (B)	ENGINEERING FABRICS, INC.
41228-202-118-002	320-4-50868-102 (B)	ENGINEERING FABRICS, INC.

NO. REQ'D PER ASSY				UNLESS OTHERWISE SPECIFIED X.±.1 XX.±.03 XXX.±.010 ANGLES ±.1/2"	DRFTSMN	T. HARVILLE	6/18/93	TITLE AUX FUEL - FUEL CELL
					CHECK			
					STRESS			
					PROJ. ENGR.		DWG. SIZE C	
					HEAT TREAT			
001	1	41228-200-004			FINISH		Era Aviation, Inc.	
002							DWG. NO. 41228-202-118	REV. B
DASH NO.	REQ'D PER ASSY	NEXT ASSEMBLY	MOL				SHT 1 OF 3	

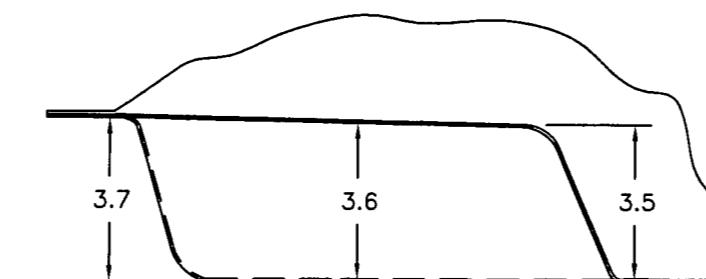




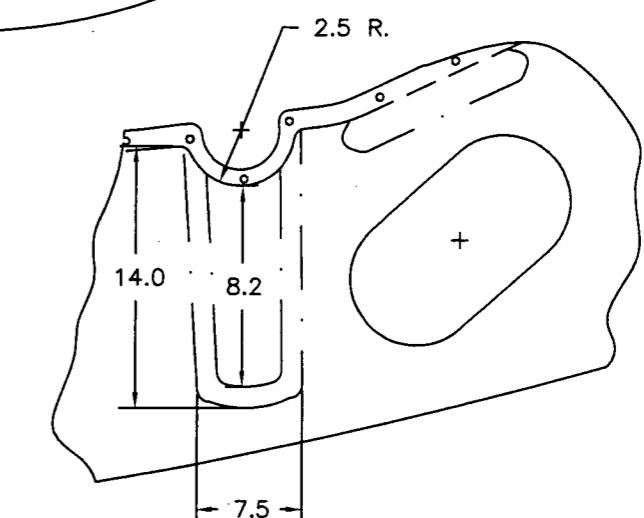
41228-202-080-001 PRIMARY SHELL (SHOWN)
 41228-202-080-002 PRIMARY SHELL (OPPOSITE)



SECTION C-C



SECTION D-D



SECTION B-B

PROPRIETARY RIGHTS NOTICE
 THESE DATA ARE PROPRIETARY TO ERA AVIATION, INC.
 DISCLOSURE, REPRODUCTION, OR USE OF THESE DATA
 FOR ANY PURPOSE IS FORBIDDEN WITHOUT WRITTEN
 AUTHORIZATION FROM ERA AVIATION, INC. THE FORE-
 GOING DOES NOT APPLY TO VENDOR PARTS.

 Era Aviation, Inc.

TITLE		AUX FUEL - FUEL CELL	SIZE	DWG. NO.	REV.
		C	C	41228-202-118	B
				SHT 3 OF 3	